Canola

Canola Grades and Grade Requirements

There are no classes of canola. Canola is divided into three numerical grades and U.S. Sample grade. Special grades are provided to emphasize special qualities or conditions affecting the value, and are added to and made a part of the grade designation. They do not affect the numerical or sample grade designation.

U.S. Standards for Canola

| Grade | Maximum percent limits of -- | | | | | | | | Maximum count limits of -- | | |
| | Damaged Kernels | | | Conspicuous Admixture | | | | | Other material | | |
	Heat damaged (percent)	Distinctly green (percent)	Total (percent)	Ergot (percent)	Sclerotinia (percent)	Stones (percent)	Total (percent)	Inconspicuous Admixture	Animal Filth	Glass	Unknown Foreign Substance
U.S. No. 1	0.1	2.0	3.0	0.05	0.05	0.05	1.0	5.0	3	0	1
U.S. No. 2	0.5	6.0	10.0	0.05	0.10	0.05	1.5	5.0	3	0	1
U.S. No. 3	2.0	20.0	20.0	0.05	0.15	0.05	2.0	5.0	3	0	1
U.S. Sample Grade											

U.S. Sample grade is canola that:
(a) Does not meet the requirements for U.S. Nos. 1, 2, or 3; or
(b) Has a musty, sour, or commercially objectionable foreign odor; or
(c) Is heating or otherwise of distinctly low quality.

Definitions

Conspicuous admixture is all matter other than canola including, but not limited to, ergot, sclerotinia, and stones, which is conspicuous and readily distinguishable from canola and which remains in the sample after the removal of machine separated dockage. Conspicuous admixture is added to machine separated dockage in the computation of total dockage.

Damaged kernels are canola and pieces of canola that are heat-damaged, sprout-damaged, mold-damaged, distinctly green-damaged, frost-damaged, rime-damaged, or otherwise materially damaged.

Distinctly green kernels are canola and pieces of canola which, after being crushed, exhibit a distinctly green color.

Dockage is all matter other than canola that can be removed from the original sample by use of an approved device according to procedures described in FGIS instructions. Also, underdeveloped, shriveled, and small pieces of canola kernels that cannot be recovered by properly screening or recleaning. Machine separated dockage is added to conspicuous admixture in the computation of total dockage.

Ergot is sclerotia of the fungus, *Clavicepts* species, which are associated with some seeds other than canola where the fungal organism has replaced the seed.

Heat-damaged kernels are canola and pieces of canola which, after being crushed, exhibit that they are discolored and damaged by heat.

Inconspicuous admixture is any seed which is difficult to distinguish from canola. This includes, but is not limited to, common wild mustard (*Brassica kaber* and *B. juncea*), domestic brown mustard (*Brassica juncea*), yellow mustard (*B. hirta*), and seed other than the mustard group.

Sclerotia are dark colored or black resting bodies of the *Sclerotinia* and *Claviceps.*

Sclerotinia is the genus name which includes the fungus *Sclerotinia sclerotiorum* which produces sclerotia. Canola is only infrequently infected, and the sclerotia, unlike sclerotia of ergot, are usually associated with the stem of the plants.

Table 20. U.S. Canola Exports: Number of lots and quantity exported by class and grade, 1997-99

	1997		1998		1999	
	Number of Lots	**Metric Tons**	**Number of Lots**	**Metric Tons**	**Number of Lots**	**Metric Tons**
U.S. No. 1	2	25,064	11	105,095	5	29,328
U.S. No. 3	--	--	1	10,500	--	--
All lots	2	25,064	12	115,595	5	29,328

-- = No lots reported in this category.

Table 21. Summary of export Canola quality, 1997-99

Factor	Grade	Grade Limit	No. of Lots	1997 Avg.	1997 Low	1997 High	No. of Lots	1998 Avg.	1998 Low	1998 High	No. of Lots	1999 Avg.	1999 Low	1999 High
Dockage	**U.S. No. 1**	N/A	2	5.4	2.1	6.3	10	4.3	1.7	6.8	4	0.6	0.0	1.7
	U.S. No. 3	N/A	--	--	--	--	1	4.4	4.4	4.4	--	--	--	--
	All lots	N/A	2	5.4	2.1	6.3	11	4.3	1.7	6.8	4	0.6	0.0	1.7
Moisture	**U.S. No. 1**	N/A	2	7.7	6.6	8.0	10	7.9	5.5	12.0	4	6.9	5.0	8.3
	U.S. No. 3	N/A	--	--	--	--	1	7.0	7.0	7.0	--	--	--	--
	All lots	N/A	2	7.7	6.6	8.0	11	7.8	5.5	12.0	4	6.9	5.0	8.3
Heat damaged Kernels	**U.S. No. 1**	0.1	2	0.0	0.0	0.0	10	0.0	0.0	0.0	4	0.0	0.0	0.0
	U.S. No. 3	2.0	--	--	--	--	1	0.0	0.0	0.0	--	--	--	--
	All lots	N/A	2	0.0	0.0	0.0	11	0.0	0.0	0.0	4	0.0	0.0	0.0
Distinctly green kernels	**U.S. No. 1**	2.0	2	1.3	0.5	1.5	10	0.8	0.0	1.3	4	0.8	0.0	1.4
	U.S. No. 3	20.0	--	--	--	--	1	1.0	1.0	1.0	--	--	--	--
	All lots	N/A	2	1.3	0.5	1.5	11	0.8	0.0	1.3	4	0.8	0.0	1.4
Total damaged kernels	**U.S. No. 1**	3.0	2	1.4	0.5	1.7	10	1.0	0.1	1.6	4	1.0	0.0	1.8
	U.S. No. 3	20.0	--	--	--	--	1	1.2	1.2	1.2	--	--	--	--
	All lots	N/A	2	1.4	0.5	1.7	11	1.0	0.1	1.6	4	1.0	0.0	1.8
Ergot	**U.S. No. 1**	0.05	2	0.0	0.0	0.0	10	0.0	0.0	0.0	4	0.0	0.0	0.0
	U.S. No. 3	0.05	--	--	--	--	1	0.0	0.0	0.0	--	--	--	--
	All lots	N/A	2	0.0	0.0	0.0	11	0.0	0.0	0.0	4	0.0	0.0	0.0
Sclerotinia	**U.S. No. 1**	0.05	2	0.0	0.0	0.0	10	0.0	0.0	0.0	4	0.0	0.0	0.0
	U.S. No. 3	0.15	--	--	--	--	1	0.0	0.0	0.0	--	--	--	--
	All lots	N/A	2	0.0	0.0	0.0	11	0.0	0.0	0.0	4	0.0	0.0	0.0
Stones	**U.S. No. 1**	0.05	2	0.0	0.0	0.0	10	0.0	0.0	0.0	4	0.0	0.0	0.0
	U.S. No. 3	0.05	--	--	--	--	1	0.0	0.0	0.0	--	--	--	--
	All lots	N/A	2	0.0	0.0	0.0	11	0.0	0.0	0.0	4	0.0	0.0	0.0
Total conspicuous admixture	**U.S. No. 1**	1.0	2	0.4	0.3	0.4	11	0.5	0.0	0.7	5	0.4	0.0	0.6
	U.S. No. 3	2.0	--	--	--	--	1	0.4	0.4	0.4	--	--	--	--
	All lots	N/A	2	0.4	0.3	0.4	12	0.5	0.0	0.7	5	0.4	0.0	0.6
Inconspicuous admixture	**U.S. No. 1**	5.0	2	0.0	0.0	0.0	10	0.1	0.0	0.4	4	0.0	0.0	0.0
	U.S. No. 3	5.0	--	--	--	--	1	1.7	1.7	1.7	--	--	--	--
	All lots	N/A	2	0.0	0.0	0.0	11	0.3	0.0	1.7	4	0.0	0.0	0.0

N/A = Does not apply.
-- = No lots reported in this category.